

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|---------------------|
| L1 | 5431 | 382/154 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 11:06 |
| L2 | 921 | 1 and (comput\$3 or computation or determin\$3 or determination) near3 (contour\$3 or form or outline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 11:07 |
| L3 | 921 | 2 and (comput\$3 or computation or determin\$3 or determination) near3 (contour\$3 or form or outline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 11:07 |
| L4 | 0 | 3 and (local near3 (maximum or maximum or peak) near3 (generat\$3 or generation) near3 (contour\$3 or form or outline)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 11:08 |
| L5 | 0 | 3 and ((extract\$3 or extraction) near3 numerical near3 features) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 11:08 |
| L6 | 2 | 1 and ((location or locat\$3) near3 (orientation or angle or scal\$3) near3 feature near3 image) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 11:09 |
| L7 | 1 | 11/600191.app. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 11:27 |

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| L8 | 0 | 1 and (homographic near3 (transform\$3 or transformation or convert\$3 or conversion) near3 feature) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:15 |
| L9 | 0 | 3 and (numerical near3 descriptors) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:16 |
| L10 | 1 | 1 and (numerical near3 descriptors) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:17 |
| L11 | 8813 | 345/419 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:18 |
| L12 | 1466 | 11 and (comput\$3 or computation or determin\$3 or determination) near3 (contour\$3 or form or outline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:18 |
| L13 | 0 | 12 and (numerical near3 descriptors) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:18 |
| L14 | 0 | 12 and (homographic near3 (transform\$3 or transformation or convert\$3 or conversion) near3 feature) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:19 |
| L15 | 19 | 12 and (orientation near3 feature) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:19 |
| L16 | 3 | 15 and (intrinsic or extrinsic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:20 |

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| L17 | 8813 | 345/419 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:24 |
| L18 | 1466 | 17 and (comput\$3 or computation or determin\$3 or determination) near3 (contour\$3 or form or outline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:24 |
| L19 | 0 | 18 and (numerical near3 descriptors) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:24 |
| L20 | 120 | 18 and (intrinsic or extrinsic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:24 |
| L21 | 120 | 20 and (intrinsic or extrinsic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:25 |
| L22 | 3 | 21 and (orientation near3 feature) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/17 12:25 |
| S2 | 0 | "10568268".app. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:34 |
| S3 | 1 | 10/568268.app. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:35 |
| S4 | 3 | (Balslev-Ivar or Eriksen-Dencke).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:37 |
| S5 | 3341 | 382/199 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:40 |

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| S6 | 7033 | 358/296 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:40 |
| S7 | 473 | 318/568.13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:41 |
| S8 | 256 | 318/568.15 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:41 |
| S9 | 770 | 292/175 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:41 |
| S10 | 369 | 700/262 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:41 |
| S11 | 196 | 414/416.01 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:41 |
| S12 | 1256 | 356/601 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:42 |
| S13 | 2889 | 700/245 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:42 |
| S14 | 767 | 700/259 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:42 |
| S15 | 2937 | 382/181 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 11:58 |

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| S16 | 359 | (primitive or primary or basic) near3 (identificaton or identify\$3 or recogniz\$3 or recognition) near3 image | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 13:22 |
| S17 | 185279 | (comput\$3 or computation or determin\$3 or determination) near3 (contour\$3 or form or outline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 13:24 |
| S18 | 5 | local near3 (maximum or maximum or peak) near3 (generat\$3 or generation) near3 (contour\$3 or form or outline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 13:42 |
| S19 | 14 | (identify\$3 or identification) near3 feature near3 (primitive or form or outline) near3 (image or pixels or data) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 13:44 |
| S20 | 0 | (extract\$3 or extraction) near3 numerical near3 descriptors near3 feature | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 13:45 |
| S21 | 62 | (extract\$3 or extraction) near3 numerical near3 features | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 13:46 |
| S22 | 18 | (location or locat\$3) near3 (orientation or angle or scal\$3) near3 feature near3 image | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 13:48 |
| S23 | 1 | homographic near3 (transform\$3 or transformation or convert\$3 or conversion) near3 feature | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 13:49 |

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| S26 | 23 | ("4899095" "5351310" "5471312" "5572103" "5959425" "0528769" "6236896" "6328523" "6501554" "6597971" "6665588").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 15:30 |
| S27 | 9 | S26 and "16" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 15:30 |
| S28 | 359 | (primitive or primary or basic) near3 (identificaton or identify\$3 or recogniz\$3 or recognition) near3 image | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 15:30 |
| S29 | 0 | S26 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 15:30 |
| S30 | 0 | S26 and "L16" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 15:31 |
| S31 | 0 | S26 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 15:31 |
| S32 | 3341 | 382/199 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 15:43 |
| S33 | 14 | S32 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/03 15:43 |

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| S34 | 7033 | 358/296 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:39 |
| S35 | 185279 | (comput\$3 or computation or determin\$3 or determination) near3 (contour\$3 or form or outline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:39 |
| S36 | 464 | S34 AND S35 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:39 |
| S37 | 5 | local near3 (maximum or maximum or peak) near3 (generat\$3 or generation) near3 (contour\$3 or form or outline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:40 |
| S38 | 0 | S36 AND S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:40 |
| S39 | 30 | homographic near3 (transform\$3 or transformation or convert\$3 or conversion) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:41 |
| S40 | 0 | S36 AND S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:41 |
| S41 | 62 | (extract\$3 or extraction) near3 numerical near3 features | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:41 |
| S42 | 0 | S36 AND S41 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:41 |

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| S43 | 359 | (primitive or primary or basic) near3 (identificaton or identify\$3 or recogniz\$3 or recognition) near3 image | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:42 |
| S44 | 2 | S36 and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:42 |
| S45 | 28 | (match\$3 or compar\$3 or comparision) near3 (databas\$3 or collection adj3 data or collection adj3 image or collection adj3 information) near3 similar near3 (object or image) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:43 |
| S46 | 1 | S39 and S45 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:43 |
| S47 | 18 | (location or locat\$3) near3 (orientation or angle or scal\$3) near3 feature near3 image | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:44 |
| S48 | 1 | S41 and S47 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:44 |
| S49 | 1 | S41 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:45 |
| S50 | 28 | (match\$3 or compar\$3 or comparision) near3 (databas\$3 or collection adj3 data or collection adj3 image or collection adj3 information) near3 similar near3 (object or image) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:45 |

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|-----|----|---|---|----|-----|---------------------|
| S51 | 30 | homographic near3 (transform\$3 or transformation or convert\$3 or conversion) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:49 |
| S52 | 23 | ("4899095" "5351310" "5471312" "5572103" "5959425" "0528769" "6236896" "6328523" "6501554" "6597971" "6665588").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:53 |
| S53 | 0 | S52 and (homographic near3 (transform\$3 or transformation or convert\$3 or conversion)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:53 |
| S54 | 9 | S52 and (transform \$3 or transformation or convert\$3 or conversion) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:54 |
| S55 | 5 | S54 and (orientation or angle) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/04 10:55 |
| S56 | 1 | 10/568268.app. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/11/19 10:31 |
| S57 | 23 | ("4899095" "5351310" "5471312" "5572103" "5959425" "0528769" "6236896" "6328523" "6501554" "6597971" "6665588").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/11/19 11:07 |

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|-----|----|---|--|----|-----|------------------|
| S58 | 0 | S57 and ((classify\$4 or categoriz\$4 or classification) near3 object) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/11/19 11:08 |
| S59 | 0 | S57 and (classify\$4 or categoriz\$4 or classification) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/11/19 11:09 |
| S60 | 6 | S57 and (recogniz\$ \$4 or identify\$4 or classify\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/11/19 11:12 |
| S61 | 15 | ("3069654" "4110736" "4115761" "4115805" "4183013" "4388610" "4704694" "4747153" "4748674" "4783829" "4817183" "4845765" "4933865" "4969201").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/11/19 11:19 |
| S62 | 3 | ("4566124" "4748675" "4783829").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/11/25 11:47 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|-----------------------|------------------|---------|------------------|
| L23 | 0 | ((numerical near3 descriptors near3 extrinsic near3 feature) and (numerical near3 descriptors near3 intrinsic) and (identify \$3 near3 feature near3 recognition near3 image) and (extract\$3 near3 numerical near3 descriptors)).clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/06/17 12:42 |

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|-----|---|---|-----------------------------|----|-----|------------------|
| S63 | 0 | ((numerical near3 descriptors near3 extrinsic near3 properties near3 feature) and (orientation near3 feature near3 image) and (numerical near3 descriptors near3 intrinsic near3 properties near3 feature) and (homographic near3 transformation near3 apply near3 feature) and (identify near3 feature near3 recognition near3 image) and (match\$3 near3 extract\$3 near3 descriptors near3 database) and (assign near3 object near3 corresponding near3 properties near3 database)).clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/06/11 13:36 |
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6/17/2010 12:45:33 PM

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